

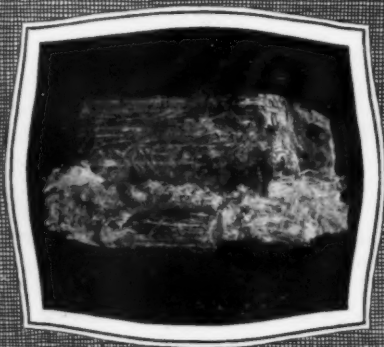
ASBESTOS

The Most Important Mineral in the World

Vol. 7

NOVEMBER 1925

No. 5



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1701 WINTER STREET
Philadelphia, U.S.A.

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A MONTHLY MARKET JOURNAL

DEVOTED TO THE INTERESTS OF THE
ASBESTOS AND MAGNESIA INDUSTRIES

A. S. ROSSITER

EDITOR

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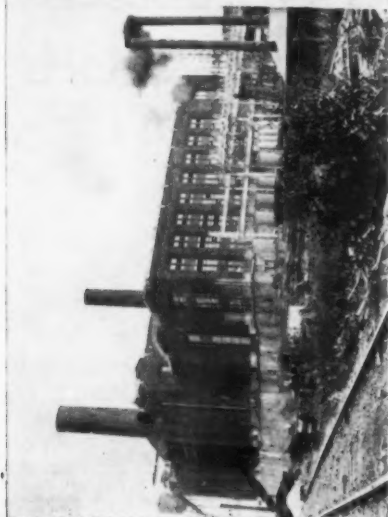
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Page One

ASBESTOS



These photographs tell an interesting story.

The building at the left is the new Miami Fort Plant, located at Miami Fort, Ohio, just outside of Cincinnati, which is being erected by the Columbia Power Company. Sargent & Lundy, Consulting Engineers of Chicago, having designed and supervised the erection of the job. Superheated steam temperatures in this tremendous super power plant will run about 750 deg. F.

The photo to the right shows the first carload (of the many being used in this plant) of Carey Hi-Temp and 85% Magnesia Covering. It is particularly interesting to note the clean cut, unbroken condition of each section of covering, after the long railroad trip from The Philip Carey Company's plant at Plymouth Meeting—almost a thousand miles.

— A S B E S T O S —

Thomas Franklin Manville

The passing to the Great Beyond, on the 19th of October, of Thomas Franklin Manville, came as a shock to the entire Asbestos Industry.

Mr. Manville was, we believe, conceded by everyone in the Industry to be the biggest man in it, not because he happened to be chairman of Johns-Manville, Inc., the world's largest manufacturers of asbestos, but because of qualities which made it possible to direct so successfully a corporation of that size, and particularly because of his breadth of vision which enabled him to see clearly the whole asbestos situation as a unit, not his own individual corner of it, and was able to so direct the efforts of his company that it profited by such situation.

Mr. Manville was born on November 19th, 1861, meaning that his death occurred at the somewhat untimely age of 64. He was one of the country's great business builders. He entered the asbestos industry in Milwaukee about thirty-eight years ago, approximately 1887. For the past twenty-five years he has been the directing head of Johns-Manville, Inc., during which time he built up an organization fully capable of carrying on his plans and policies to even greater achievements. His brother, H. E. Manville, who succeeded to the Presidency of Johns-Manville, Inc., in 1924, was closely identified with him during this entire period and will continue to direct the policies of the organization.

In addition to his great business success, Mr. Manville was successful in his relations with his fellowmen. While not effusive in his friendships, he nevertheless gave those who were his friends, the impression that he was a friend indeed, and they knew they could rely on that friendship. Not a man in the Asbestos Industry but speaks well of him; he commanded the respect of everyone. Others might surmise and guess concerning conditions in the Industry but T. F. Manville *knew*.

Besides being chairman of the Board of Directors of Johns-Manville, Inc., Mr. Manville was President of the Arizona Asbestos Company, Treasurer and Director of the Asbestos Wood & Shingle Company, President and Director of the Canadian Johns-Manville Company, Director of the

— A S B E S T O S —

Fibre Corporation, Director of the Fifth Avenue Bank, Trustee of the Franklin Savings Bank, President of the Board of Trustees of the Fifth Avenue Hospital, and President and Director of the Manville Securities Company. He was a member of the Bankers, Metropolitan, and Union League Clubs in New York City.

The Cleaning Properties of Asbestos

By B. F. Ruby

James H. Doherty, a Buffalo artist, has made a discovery that may open up a new field for asbestos fibre.

While experimenting with some short asbestos fibre with a view to molding it into shapes like modelling clay when wet, he accidentally drew a small ball of wet asbestos fibre across the surface of a piece of canvas that had become impregnated with dust and grime.

To his surprise he found it cleaned the canvas perfectly without damage to the fabric, and he immediately began experimenting with wet asbestos fibre erasers on the surface of old oil paintings that had acquired a considerable coat of dirt in the course of time.

He found that up to a certain point, wet asbestos fibre made an ideal cleaner. According to Doherty, the surface of the picture should not be rubbed too hard, as the asbestos produces a certain grating effect, but when rubbed gently, the dust and dirt of years comes off perfectly, restoring the original condition of old paintings.

The process should prove of no little value to art dealers and connoisseurs in general, as the greatest difficulty in restoring old paintings is to remove the dirt without harming the surface of the paint. Restoring the original colors of old paintings after they have faded is a comparatively easy matter but eliminating the dirt has hitherto been a considerable problem.

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— A S B E S T O S —

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Lockland, Cincinnati, Ohio

“Impressions Detachees”

Of an “Asbestos-Chap” Bound for Europe

EDITOR'S NOTE: We are indebted to Mr. Schaaf-Regelman for the following amusing account of his experiences in searching for Asbestos on shipboard.

The Editor has asked me to write him; I like the Editor; I like “Asbestos,” therefore I’ll do it, tho I don’t know who will want to read it.

The American ship departs at one A. M. from New York for Hamburg, and a typical German brass band entertains passengers and visitors alike, drying tears and making them “shake a leg.”

The good American ship flies the flag of the Republic of Panama, thereby changing the status from a country of impossible limitations to one of unlimited possibilities.

The general impressions of the first days are that the world has improved since the great war. A modern first class American trans-Atlantic liner, all officered by Americans, was a dream before, but is a proud reality after the war. The German chief stewards do not give their orders to the German stewards any longer in the snarling military way of “antebellum” days, but perfect harmony and co-operation reign also among the German contingent of the crew and the whole atmosphere is no longer one of Prussian militarism with drill sergeants regulating every batting of the eyelash, but abashed courtesy and deferential demeanour predominate.

Even the American passengers show that they have profited thru the after effects of the war. A few years of prohibition have had their salutary effect. Americans have learnt how to drink without getting drunk. When prohibition first angered the thirsty ones, the majority of them became licentious, as soon as the opportunity offered; now they are drinking with sense, altho quite a few of them still drink their cocktails all thru the meal and have a bottle of Champagne as a chaser after the coffee which they call “timidass.”

But what has all this got to do with asbestos, asks the gentle editor. Therefore we will descend to greater depth of the ship and make a thoro study of the application of

— A S B E S T O S —

Johns~ Manville

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■

— A S B E S T O S —

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ASBESTOS

asbestos on board ship, in the hope of telling our readers something new.

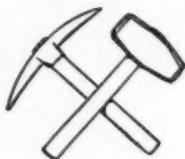
But woe to the "Asbestos-Chap" who thinks he can glean some news there. Disappointment meets him at every step. The Captain has heard that asbestos is a good thing to have, but he hasn't any; the chief engineer ought to know all about it. This executive admits that asbestos is quite a study in itself, which he leaves to his assistants, but he opines, when questioned, that asbestos mattresses should only be used on Scotch boilers, while he prefers blocks. When he hears that these blocks contain 85% Magnesia and 15% Asbestos, he is most doubtful and asserts that he has nothing to do with the purchasing department! He does not think much of asbestos packing for most uses, but prefers "woven copper" for his expansion glands, because this copper lasts sixteen years. Yes Sir, these are his own words!

When asked what kind of packing he uses between the flanges of his steampipe joints, he calls it paper, and when the advantages of rubber-asbestos compressed sheet packing are explained to him, he becomes positively surprised and thinks an enterprising drummer in disguise is trying to sell him something newfangled.

Undaunted, however, by this abyss of ignorance, the "Asbestos Chap" continues his investigation and after having given up hope of getting any information from any of the technical staff of the whole big ship, he can summarize his findings in the words of the humble oil wiper, who, when asked where asbestos is used aboard, replies "Oh der Asbest, he is eferywhere; you cannot do nozzing widout der asbest; look, I vill show you." He knows that Asbestos millboard and corrugated paper is between the walls separating the engine room from the other parts of the ship; he shows packages of spiral, conical and flat packing, plain and graphited for glands, stuffing boxes, plunger housings and the like, blue asbestos mattings on auxiliary boilers, asbestos magnesia blocks on the big boilers, air cell covering and asbestos cement on the steam lines, asbestos cloth, wick and rope packing for repair work and even asbestos gloves for electricians and asbestos stove plates in the kitchen.

— A S B E S T O S —

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— A S B E S T O S —

Truly, the big ship needs asbestos everywhere, could scarcely be built and operated without it, but one has to know where to look for it, otherwise its presence is not revealed to the inquirer, and the technical staff, who ought to know all about it, hesitates to venture an opinion in the presence of one who seems to know, for fear of acknowledging their ignorance of an article so highly specialized, in their opinion, as asbestos.

When a whole group of navigators, steam and power plant engineers, electricians and so-called insulation experts, take things for granted, follow blindly blue prints and precedents and scarcely know the names of the various asbestos materials they are using, it is the fault of the manufacturers of asbestos goods as well as of the producers of the raw material, if the virtues and inherent qualities of asbestos are so little known to those who handle it in many different forms daily in the pursuit of their bread winning occupation.

Here is a pointer for the merger to be: The dissemination of knowledge in regard to the various asbestos products among technical men of all classes is of paramount importance for everybody in the asbestos business, and a greater demand and more widespread utilization of the practically indispensable substance Asbestos can only be created by greater knowledge among those who handle it today in a haphazard and nearly blindfolded way. Such conditions not only prevail on board ships, but can be found in an astonishingly large number of industrial establishments of all kinds everywhere.

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Bentley's and Western Union**

— A S B E S T O S —

The Manufacture and Use of Asbestos Paper

By Ismar Ginsberg

Universal Trade Press Syndicate.

Editor's Note: This is the first of a series of three articles on Asbestos Paper. The remaining two will appear in future issues.

Asbestos paper is one of the many forms in which the mineral asbestos, whose fire-resistant and other important properties are well known and appreciated, is found in trade. It is a product which is manufactured thruout the world by concerns that make other asbestos products as well, but in the manufacture of asbestos paper certain technical difficulties are encountered, and its manufacture, while appearing simple, is perhaps as difficult as most other processes used in making asbestos products.

The manufacture of paper from vegetable fibres, from wood, cotton rags and the like, consists primarily in the reduction of the raw materials to as pure and uncontaminated a state as possible, and then the building up of the paper sheet by the felting together of the individual fibres which are in the proper state to intermingle and unite with one another to form a sheet of paper possessed of considerable mechanical resistance and strength. In general the same fundamental principles apply to the manufacture of asbestos paper.

In the first place the raw material has to be brought to the proper state so that the fibres can unite with one another to form the paper sheet, and then the paper must be made. The first step in the process is therefore to prepare the raw asbestos for paper making. The material is disintegrated, all impurities are removed and the long and short fibres are separated. The former is used in the manufacture of spun and woven asbestos goods, while the short fibre asbestos is employed in the manufacture of paper boards, altho asbestos paper for certain uses is made of long fibres.

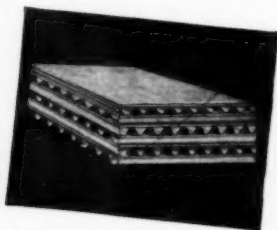
The preliminary treatment of the disintegrated mass of asbestos fibres is carried out in a kollergang, an apparatus in which one or two large stone wheels rotate around a bowl

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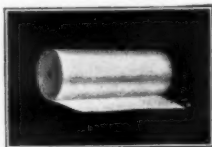
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— A S B E S T O S —

while turning on their own axes as well. The asbestos is placed in the bowl of this apparatus and is subjected to a grinding and disintegrating action which is prolonged according to the quality of the raw product and the proportion of impurities of one sort or another that is contained in it.

There are various types of kollergangs or edge runner mills employed for this purpose, some being provided with devices for the removal of the impurities that are separated from the asbestos during the progress of this treatment, but their action on the asbestos fibre is essentially the same, namely a strong squeezing effect. One important feature in the operation of these machines is the great consumption of power that they entail. It is sometimes found convenient to operate the edge runner mills with a screening device which allows the smaller particles of asbestos to fall thru and retains the larger pieces and impurities. The material that goes thru the screen is then lifted by automatic elevators to the floor on which are the beaters which are the next machines thru which the asbestos passes on its way to be manufactured into paper.

The beaters, or hollanders as they are sometimes called, are machines in which the fibres are subjected to a combined shearing and squeezing action which separate them into smaller fibres or fibrille, which are themselves capable of felting together to form a paper sheet. These beaters are very much like those that are employed in the ordinary paper making process.

The asbestos is beaten in a wet condition in the beaters and during the beating process it is possible to add all the various materials that are to be incorporated with the fibres to form a paper possessed of certain definite characteristics. This practice is the same as that followed out in the regular paper making process. The construction of the beater is too well known to require explanation here. One difference between the beater used for asbestos paper making and that employed in the regular paper making process is in the width of the beater knives. At times the beater is provided with a washing drum but this is not absolutely essential. The dehydration is accomplished by the use of a screen thru which the water escapes, the fibres being held

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— A S B E S T O S —

thereon. It must also be mentioned that not all the systems of beaters that are employed in the paper making process can be used in the manufacture of asbestos. Thus experience has shown that the type of beaters with an underflow system is not suited for this purpose.

The consistency and composition of the stock that is fed into the beaters are important items. As a general rule the stock consists of eighty to ninety per cent of asbestos fibre, from ten to twenty per cent of kaolin and about three per cent of collodion. The coloring matter that is mixed with the asbestos to produce a colored asbestos paper is of mineral origin. Thus for a red, red lead is employed and for black, graphite. As a general thing, however, it is not necessary to add any coloring matter as the purposes to which the asbestos paper is put do not require the product to be colored in any other than the natural gray of the mineral.

The kaolin is used principally as a weighting agent and it also adds a certain degree of flexibility to the paper. The collodion acts as a binding agent and is a very important ingredient of the asbestos paper. It also has the effect of reducing the loss of weighting material employed in filling the paper, for it holds the particles of kaolin together on the asbestos fibre, and makes it possible to add from fifteen to twenty per cent of loading material to the asbestos. Furthermore, the strength of the paper is materially increased by its addition and the paper product is made more flexible. It enhances the surface appearance of the paper, makes it smoother and gives it a certain handle and timber. The binder collodion is employed in the place of the animal glues and sizes which were formerly used in the manufacture of asbestos paper and board. The new binder does not decompose and does not lose its binding power on storage, nor does it have a deleterious action on even the most delicate colors.

After the asbestos fibre has been fed into the beaters and diluted with water, the kaolin and the binder are added in the aforementioned proportions, the beater roll is set into motion and the ingredients are mixed together into a brew of uniform composition. For every part of finished product that is obtained from the beaters, there must be

— A S B E S T O S —

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— A S B E S T O S —

used from 250 to 260 parts of water. It is sometimes advisable when the asbestos paper need not be absolutely fire resistant to add a certain proportion of chemical or mechanical wood pulp to the mixture. Of course the strength of the asbestos paper is very much enhanced by such additions. Thus, when ten per cent of a rag half stuff is added the strength of the paper is considerably increased, but in this case it has been found that the fire resisting qualities of the paper have not been materially impaired.

In the manufacture of papers that are employed for chemical purposes or special uses of one sort or another many other ingredients may be added just as in the regular paper process.

The Sixth National Power Show, in connection with the International Textile Exposition, will be held April 12th to 17th, 1926, in Mechanics Building, Boston, Mass. For information address, J. F. Morgan, Secretary, Power Show Committee, 53 Devonshire Street, Boston.



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— A S B E S T O S —

MARKET CONDITIONS

The general business situation appears quite satisfactory, gradual improvement being noted in many lines.

The automobile line shows the usual seasonal decline which, owing to fairly warm weather has not been drastic so far. Distributors are hoping for fairly good weather thruout November and December, which would mean good business up to the first of the year. However, no one can depend much on the weatherman.

The asbestos industry seems to be in better condition than for some time past. The raw material market is showing marked advances, partly due to the merger negotiations, and also to the shortage in the lower grades. Shingle stock particularly is in great demand, and almost unobtainable.

At least one man in the Asbestos Industry has always contended that high prices on Asbestos Fibre worked for the good of the Asbestos manufacturing industry, the higher cost of raw material resulting in even greater advances on the manufactured goods. This man's contention appears to be borne out by the market situation for the last month. Prices are much firmer all along the line, even brake lining (which was probably most addicted to price cutting) showing a firmer tendency.

The merger—well, it is practically thru. The options have all been signed, but just at the present moment, nothing in particular seems to be happening. These things take time, however, and it is probable that the next several months will see the many stray ends gathered up and the merger in full operation. Only the actual operation of the merger can answer correctly the question being asked by all manufacturers of asbestos materials—"How will the merger affect my business?" and the ending of that uncertainty will assuredly have a beneficial effect on all asbestos business.

We have received three interesting comments on the market situation from as many different persons, all worthy of quoting here. The first comes from E. J. Wilson, who says:

— A S B E S T O S —

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"Asbestos shipments from Canada were large in the month of October and with firm prices, on some grades higher prices. Improved business conditions all over the world account for the present market altho a restricted production due to various causes, plays a very important part. Thruout the asbestos trade one finds little interest in the 'merger', as the general opinion seems to be that time and the survival of the fittest have made such a merger unnecessary, and perhaps unwise, at the present moment. Those parties who are financially interested one way or another in the merger do not accept this view, but the great mass of disinterested opinion is as above stated."

Next our London correspondent comments on the market situation in England: He says:

"There has been no perceptible change in market conditions in England since my last report. Owing to recent contracts having been placed for locomotives there is a fair amount of activity in the Asbestos Mattress Section. In the covering trade generally, however, prices continue to be cut to the bone and cheap materials with a low insulating efficiency are preferred in order to cut down unnecessary expenditure to the lowest level.

"In Asbestos Textiles inquiries are few and far between, and the same remark applies to jointing; most of the business being for foreign countries.

"The recent motor exhibitions at Olympia appear to have stimulated the demand for brake linings. Indeed the motor trade generally has experienced a distinct fillip from the protective duties recently re-introduced by the new conservative government.

Then, a man interested in the Blue Asbestos Industry, reports on the market in that commodity as follows:

"Within the last few months the supply of blue asbestos fibre has not kept pace with the demand for the manufactured goods. For certain specialties, for which blue yarn is eminently suitable, for example; blue yarn for electrodes for arc-welding, blue mattresses for locomotive boiler covering, 'Blue-Jacket' sectional blocks for covering pipes, asbestos cement-faced blue blocks for lining bulkheads, casings, etc., there is an increasing demand, and the Cape Asbestos Company, we understand, are very fully engaged

— A S B E S T O S —

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A S B E S T O S

in all these departments, so much so, indeed that it is difficult to supply blue manufactures which are constantly asked for by their agencies all over the world.

The result of this activity is reflected in the price of raw material. Despite the limited quantity produced, however, the price cannot be raised beyond a certain point, as the supply of white asbestos acts automatically as a control in the matter of price.

As is well known, blue asbestos is spread over a great area, but the deposits are thin, so that no single mine can produce any great tonnage. The mines are working their utmost and the postponement of the Colour Bar Bill by the action of the Senate has relieved them of one pressing danger.



Rhodesia

Bulawayo District

	July 1925	
	Tons	Value
Nil Desperandum (Afr. Asb. Mng. Co. Ltd.)	924	£15,625
Nil Desperandum (Adjust. Apr. 1924-Mar. 1925) .....	..	5,690
Pangani (J. S. Hancock)	30	362½
Shabanie (Rho. & Gen. Asb. Corp., Ltd.) ...	1,543	38,255

Victoria District

Balmain (Afr. Asb. Min. Co., Ltd.)		
Adjust. for year ending Mar. 31, 1925..	...	711
Gath's (R. & Gen. Asb. Corp., Ltd.)	362	9,052½
King (R. & Gen. Asb. Corp. Ltd.)	481	11,280
	3,340	£80,979

During July 1924, Rhodesia produced 2,664 tons, valued at £57,141.

Union of South Africa.

	July 1925	
	Tons	Value
Transvaal	631	£ 7,226
Cape	208	3,661
	839	£10,887

During July 1924, 675 tons were shipped, valued at £10,654.

— A S B E S T O S —

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CONTRACTORS AND DISTRIBUTORS PAGE

MANUFACTURERS VS. DISTRIBUTORS BRANDS

3. Co-operation

It is quite probable that a great many manufacturers, when selling to large distributors, make the material to the standard of quality required by the distributor, contract to supply a certain tonnage, deliver the material as ordered, and think they have done their full share.

The distributor, if his organization is of any size, will have a number of salesmen working for him, and in order to sell efficiently, these salesmen should have full knowledge of the product, its adaptability and limitations.

Some materials require a great deal of highly technical knowledge to sell them efficiently. A material like Asbestos Textiles, for instance, requires more technical knowledge than a wallboard or roofing. Often Asbestos Textiles must be manufactured to particular specifications, or, when they are for a certain use, it may be necessary for the salesman to recommend the particular quality and grade of material best suited for that use.

A manufacturer finds it of great advantage to place in the hands of the jobber's salesmen, all information which will assist them in recommending the material for certain uses, and in making sales, as, of course, he will reap the benefit of larger and quicker sales.

A case in point is that of insulation. The effort of the Magnesite manufacturers several years ago to educate the general public to the use of insulation, and the architects and engineers to the use of adequate insulation, had the effect of cutting the salesman's troubles in half because there are really some facts and figures at his command. The Magnesite campaign not only supplied certain technical facts and figures, but caused all manufacturers of insulation to recognize the need for such facts and figures.

Some manufacturers have made a decided success selling thru the jobber because they have not left everything in the selling end to the jobber and his salesmen, but have loyally and constantly assisted them by supplying technical data, selling points, etc. Naturally the causes for success cannot be laid at the door of any one person or thing, and no matter whether the goods are sold direct by the manufacturer to the consumer, or thru the jobber, it is co-operation between the manufacturer and his own salesmen, or between manufacturer and jobber, that generally wins the day.

— A S B E S T O S —

"FIRE BACKING"

A COMBINATION OF THE BEST INSULATING
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MECHANICAL STRENGTH AND MODERATE COST

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San Francisco, Cal.

FACTORY—REDWOOD CITY, CAL.

ASBESTOS



This page devoted each month to discussion of brake lining activities by O. B. Towne, Commissioner of the Asbestos Brake Lining Association

Some comparative figures showing the sales of brake lining last year and this, indicate changes in the sizes of brakes on the cars now in use.

These figures were gathered and compiled under the supervision of the Technical Committee of the Asbestos Brake Lining Association. They are arranged according to their volume, as estimated in percentages and do not include anything below one tenth of one per cent. The summaries are set off in a division by themselves and cover only 1924. These are given just to give a better idea of the trends in brake sizes on both passenger and commercial cars.

Summary.

For equipment	25.785% of total
For replacement	34.35
For all other purposes	39.865

Classification according to amount sold.

Equipment	25.785%
Replacement	34.35
All other purposes	39.865

Percentage of Grand Total Sold

5-32 sizes	31.12
3-16 sizes	56.402%
1-4 sizes	10.454
5-16 sizes	1.947
All other sizes .....	.241

Percentage of Grand Total for Equipment

5-32 sizes	13.81 %
3-16 sizes	9.543
1-4 sizes .....	.794
5-16 sizes .....	.179
All other sizes .....	.2005

Percentage of Grand Total for Replacement.

5-32 sizes	6.743
3-16 sizes	21.493%
1-4 sizes	5.191
5-16 sizes .....	.573
All other sizes .....	.0407

Percentage for all other Purposes

5-32 sizes	10.709
3-16 sizes	25.33 %
1-4 sizes	3.468
5-16 sizes .....	.217

A S B E S T O S

Relative Percentages 1923 and 1924

Sizes	1923	1924	Sizes	1923	1924
1½ x 3-16	19.89%	8.48	1½ x 1-4	.29	..
1½ x 5-32	15.50	9.4	1½ x 1-8	.15	..
2 x 3-16	12.72	17.38	2½ x 3-16	.14	..
2½ x 3-16	6.75	8.	1½ x 3-16	.13	..
1½ x 5-32	5.40	4.13	2½ x 3-16	.04	..
1½ x 3-16	3.44	5.804	2½ x 3-16	..	5.58
2½ x 1-4	3.25	1.71	1½ x 3-16	..	2.935
2 x 5-32	2.38	2.6	1½ x 3-16	..	1.2
1½ x 3-16	1.81	2.86	1 x 5-32	..	1.2
1½ x 5-32	1.70	7.2	3½ x 1-4	..	1.071
1½ x 5-32	1.63	2.5	4 x 1-4	..	.331
2½ x 1-4	1.33	2.1	3½ x 1-4	..	.239
2 x 1-4	1.27	2.01	5 x 5-16	..	.219
1 x 1-8	.94	..	4 x 5-16	..	.12
3 x 1-4	.63	.894	4½ x 1-4	..	.06
3 x 3-16	.53	1.64	6 x 5-16	..	.037
1½ x 5-32	.53	..	4½ x 5-16	..	.028
1½ x 1-4	.35	.574			

The spaces left blank indicate that the amount is so small, less than two one-hundredths of one per cent, that they may be considered negligible.

The Asbestos Brake Lining Association held its November meeting on Wednesday, November 4, 1925. Much attention was given to the above statistics and trade customs.

Automobile Production

September automobile production showed a considerable increase over August, the September figures for the United States and Canada being 272,396 passenger cars and 60,363 trucks. The September 1924 figures were 263,528 passenger cars, 32,960 trucks.

Preliminary figures for October production show a total production in the United States and Canada of 454,327 cars and trucks, the highest total for any month either this year or last.

The National Automobile Chamber of Commerce estimates that the 1913 automobile dollar now has a purchasing power of \$1.14, as compared with the 60c value of the 1923 cost-of-living dollar.

Building Statistics

The September figures for building construction showed a decrease over August, the figures being as follows:

In September contracts awarded for 13,989 projects, with a floor space of 86,167,400 sq. ft., and a value of \$548,216,700, as compared with 15,114 projects in August, with floor space of 88,593,500 square feet, and valued at \$589,690,200.

The decrease showed in all lines except industrial, hospital, military and naval and public buildings.

ASBESTOS



Imports into U. S. A.

Unmanufactured Asbestos:

	August 1924		August 1925	
	Tons	Value	Tons	Value
Canada	11,122	\$352,545	17,110	\$587,731
United Kingdom .....	...	...	21	4,338
Br. S. Africa	120	17,236	25	5,206
Port. Africa	312	52,158	268	53,527
	11,554	\$421,939	17,424	\$650,802

That imported from the Africas during August 1925, was all Crude, while the importation from Canada consisted of 998 tons Crude valued at \$196,223; 8,431 tons Mill Fibre valued at \$290,482, and 7,681 tons lower grades, valued at \$101,026.

Manufactured Asbestos:

	August 1924		August 1925	
	Pounds	Value	Pounds	Value
<i>Yarn—</i>				
None.				
<i>Fabrics, Woven—</i>				
Canada	24	\$ 29	51	\$ 59
United Kingdom	8,248	2,100	5,390	2,959
<i>Packing, Fabric—</i>				
United Kingdom	200	268	430	229
<i>Packing, not Fabric—</i>				
Canada .....	...	...	10	11
United Kingdom	752	110	..	..
<i>Paper and Millboard—</i>				
France (entering Porto Rico)	169	1,472	..	..
<i>Shingles, Slate, Wood, Lumber—</i>				
Belgium	222,830	3,480	1,988,598	44,447
Canada	33,824	2,551	33,120	1,219
Italy .....	...	...	92,085	1,027
Netherlands .....	...	...	1,003,831	17,156
United Kingdom .....	...	...	8,455	349
	256,654	\$6,031	3,126,089	\$64,198
<i>Asbestos Cement—</i>				
Canada	300	59
United Kingdom	276	159

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Other Manufactures—

Belgium	316,700	8,353	867	71
France	227	92
Germany	10,254	1,209
Italy .....	...	..	60	144
Netherlands .....	...	..	594	124
Sweden	5	24	..	...
United Kingdom	402,469	6,988	8,377	3,237
Canada	15	3	2	2
	719,416	\$15,460	20,154	\$4,787
Grand Total	985,763	\$25,529	3,152,400	\$72,402

Exports from U. S. A.

Exports of unmanufactured asbestos goods during August 1925, amounted to 257 tons, valued at \$14,387; compared with August 1924, 77 tons, valued at \$12,180.

Exports of manufactured asbestos goods:

	August 1924		August 1925	
	Pounds	Value	Pounds	Value
Paper, Mlbd. & Rlbd. .	113,514	\$ 7,441	128,837	\$11,540
Pipe Covg. & Cement..	415,585	27,605	566,939	31,193
Textiles, Yarn & Pkg..	113,256	78,994	168,112	104,570
Brake & Clutch Lining .....	.....	.....	128,672	96,099
Magnesia & Mfrs. of ..	283,221	20,832	466,238	36,075
Asbestos Roofing	1,840 sqs.	15,946	7,474 sqs.	62,055
Other Manufactures ...	300,481	83,359	110,414	20,740

Exports of Raw Asbestos from Canada.

	July 1924		July 1925	
	Tons	Value	Tons	Value
United Kingdom	1,030	\$ 49,545	525	\$ 48,101
United States	3,567	223,596	9,390	451,401
Australia	40	1,950	100	6,460
Belgium	20	1,200	520	33,200
France	655	52,600	1,065	92,200
Germany	341	31,460	1,360	84,424
Italy	63	5,683	734	63,365
Japan	293	13,155	380	20,619
Netherlands	77	3,245	418	41,775
Other Countries .....	..	....	80	4,800
	6,086	\$382,434	14,572	\$846,345

Sand and Waste—

United Kingdom	420	7,664	121	2,262
United States	6,563	77,976	8,565	105,266
France	10	80	30	480
Germany .....	..	..	30	450
Italy .....	..	..	30	600
Netherlands .....	..	..	210	3,840

A S B E S T O S

Other Countries	2	40	..	...
	6,995	\$85,760	8,986	\$112,898
<i>Grand Total</i>	<i>13,081</i>	<i>\$468,194</i>	<i>23,558</i>	<i>\$959,243</i>

Imports and Exports by England.

Imports of Raw Material.

	August 1924		August 1925	
	Tons	Value	Tons	Value
From Rhodesia	756	£25,961	999	£31,607
From Canada	538	6,326	662	10,147
From Other Countries	371	8,508	899	27,007
	1,665	£40,795	2,560	£68,761
Re-Exports	308	9,948	308	10,133

Exports of Manufactured Asbestos Materials:

	August 1924		August 1925	
	Tons	Value	Tons	Value
To Netherlands	11	£ 3,387	32	£ 4,145
To France	60	15,974	57	11,711
To U. S. A.	13	2,584	16	2,399
To British India	247	8,117	217	7,359
To Other Countries	934	62,201	1,184	56,709
Total	1,265	£92,263	1,506	£82,323

The American Society of Heating & Ventilating Engineers, has recently issued their Guide for 1925-26. Readers may examine the copy in the office of "ASBESTOS" if they care to do so.

The second World Motor Congress, sponsored by the National Automobile Chamber of Commerce, will be held on January 11th to 13th, 1926, in New York City.

SITUATION WANTED

Sales Engineer. Ten years experience f. o. b. and contract work; also asbestos in general. Five years estimating and selling pipe covering roofing and mastic. Two years contract department manager. Present income \$3400 per year. Address IIL-C "ASBESTOS".

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Antwerp, Belgium

— A S B E S T O S —

High Grading Asbestos

By E. Schaaf-Regelman

The days are long gone by when it was necessary for foreign buyers of crude asbestos to send special representatives to Thetford Mines to inspect the "Crude" they wanted to buy, before they felt that it was safe to pay for it.

Nowadays the Canadian producers are vying with each other to improve their grading and to bring as good a product on the market as the particular conditions in their respective mines will permit.

But among a few—fortunately a very few—of the American buyers of crude asbestos a tendency has shown itself to "high-grade" crude asbestos after it has been received by them. No case is known to the writer where this malpractice has been tried on Canadian crude during recent years, but shippers of African and Arizona asbestos alike have been the sufferers.

Until quite recently the grading of African Asbestos has varied considerably, and that is still true of the Arizona Asbestos, except in one or two of the mines which have been highly developed.

The "highgrading" method is simply the buying of a car or two of crude asbestos which is known to run uneven in quality, dumping all the bags received and either sorting out the good long stuff and rebagging the shorts, or else screening the whole lot, rebagging the screenings and making a claim against the shipper to the effect that so many tons out of the lot received, were not "up to sample." The result is that either payment is withheld or a hard bargain for price reduction is driven.

It is, of course, much to be regretted that such reprehensible practice should occur in the asbestos business which, as a whole, is a clean one, the executives of nearly all asbestos firms both large and small being men of high moral standing, who would not brook any shady deals engineered by perhaps overzealous employees or over-ambitious superintendents.

ASBESTOS

NEWS OF THE INDUSTRY

Birthdays. This month's birthday list includes Richard V. Mattison, M. D., President, Keasbey & Mattison Company and affiliated companies, whose birthday date is November 17th; F. K. Anderson, Vice President and Treasurer, Sall Mountain Company, November 24th; Samuel Davis, General Sales Manager, Consolidated Asbestos Limited, November 25th; John W. Latchum, President, American Insulation Company, November 28th; S. P. Moffit, Sales Manager, American Insulation Company, November 29th; R. W. Potter, President, H. F. Watson Company, December 5th.

Our hearty congratulations and best wishes are extended to all these gentlemen.

George D. Crabbs, President of the Philip Carey Company, was elected a director of the Procter & Gamble Company, at its annual meeting held on October 15th. Mr. Crabbs is to be congratulated on having been selected as a member of the Board of this well known Company; at the same time the Procter & Gamble Company thru his selection are adding to their already very capable directorship, the counsel of a man who has been especially successful in business.

The Procter & Gamble Company ranks very near the top of our great American corporations, doing an annual business of something like \$175,000,000.

J. W. Latimer, of Cleveland, O., contractor and distributor of Asbestos materials, sometime ago incorporated his business, and is now working under the name of the Latimer Asbestos & Engineering Company, with offices at 412 Marshall Building, Cleveland. The officers of the company are J. W. Latimer, President, E. A. Latimer, Vice President and Secretary.

The Latimer Asbestos & Engineering Company handle Prasco High Temperature Insulating material manufactured by the Plant Rubber & Asbestos Works of San Francisco, and specialize in industrial friction and brake work.

"The Silver Edge" in September came out in new size—6 x 9 in. instead of 8½ x 11 in. as formerly. This house organ, which is published by the Raybestos Company for the benefit of its distributors of Silver Edge Products, is, to our mind, much more attractive and convenient in the smaller size. The September issue contains very interesting articles on brake lining service.

Dr. Edward Sampson, associate geologist, U. S. Geological Survey, has been appointed assistant professor of geology, at Princeton University. Dr. Sampson has been acting as a specialist on asbestos, talc, soapstone and chromite for the Geological Survey, and our readers will probably recall certain charts and

CYPRUS ASBESTOS COMPANY

LIMITED

The very extensive alterations and additions to our plant in Cyprus have recently been completed, and three grades of fibre are now being produced.

CYPRUS STANDARD

a shingle stock fibre of the highest quality, showing less than 1% short fibres on the bottom tray, and practically dust-free.

CYPRUS SHORTS

similar to Standard in all respects, except that the fibres are shorter.

CYPRUS FINES

a very short but clean fibre.

The whole production of these new grades to the end of 1926 except for a small quantity of Fines, has already been sold forward, but we shall be pleased to send samples and prices on request, as contracts for 1927 deliveries are already being arranged.

All grades of Cyprus Fibre are produced from the same mine and passed through the same finishing plant, thus ensuring absolute uniformity of quality.

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— A S B E S T O S —

articles concerning Asbestos which were prepared by Dr. Sampson and published in our pages.

The Asbestos Spinning & Weaving Corporation. At a recent meeting of the directors of the Asbestos Spinning & Weaving Corporation, held at the company's office at 16 Beaver Street, New York City, R. M. Bryan was elected President. R. C. Gillespie was elected Vice President and Treasurer.

H. A. Gillespie, President of the Central Metal and Supply Company of Baltimore, and Owen S. McHarg, Secretary of the Texas & Pacific Coal and Oil Company, New York, were elected to vacancies on the board.

The Corporation has experienced a very large growth in its sale of "ASAWCO" brake lining, and continues to do a large volume of business on its special asbestos woven wire cloth, which is used in the manufacture of disc clutches for automobiles.

The Italian Asbestos Company, has been registered as a private company with a nominal capital of £25,000 in £1 shares, to take over the output of asbestos quarries in Italy acquired by Asbestos Quarries Limited from J. A. Hodgkinson. The first directors are: C. P. Adcock, Chairman, J. A. Hodgkinson, H. M. Meyler, Henrietta Brand.

Most of the British Asbestos Manufacturers of Brake Lining exhibited their products at the motor exhibitions recently held at Olympia.

F. Hirschhorn, a director of Cape Asbestos Company Limited has returned to South Africa after a several months' stay in England.

S. S. Wilson, who is reputed to be the inventor of a simplified process for manufacturing Asbestos Cement Boards, Tiles and other products utilizing Amosite asbestos, has recently returned to Johannesburg, according to the South African Press, from America in which latter country it is reported he has interested American experts in his invention.

Improvements are reported to have been made on Mr. Wilson's process in the States, which give the Asbestos Tiles a highly glazed and enamelled surface in a wide variety of colors.

Mr. Wilson's process is said to be a dry one which utilizes capillary attraction whereby the moisture is quickly drawn from the asbestos cement mixture and the sheets immediately set, so that it only needs to be left on the lifting frames for 12 hours, when it is hard enough to be handled and stacked upright for the usual curing period. Mention was made of these new process tiles in September "ASBESTOS".

Walker & Forbes, Inc., is the name of a firm organized within the last few weeks at Mamaroneck, N. Y., for the manufacture of Packings, particularly Asbestos Packings, such as H. P. Packing, Wire Inserted Sheet Packing, Gasket Cloth, Asbestos Gaskets and Gasketing Material.

The members of the firm are H. S. Walker, formerly in

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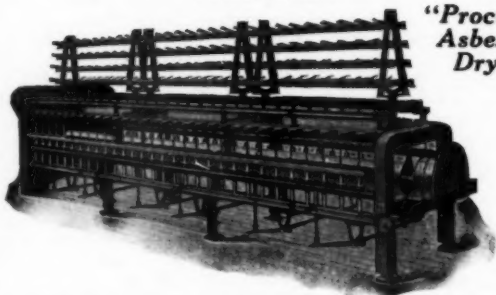
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Formerly Smith & Furbush Machine Co.

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— A S B E S T O S —

charge of the manufacture of packings for the Asbestos Textile Company at North Brookfield, Mass., and W. J. Forbes, who was formerly a representative of the Raybestos Company on Packings.

Walker & Forbes, Inc., will be glad to serve you promptly and efficiently.

The Shipping & Engineering Exhibition to be held at Olympia November 23rd to December 5th will exhibit products of the following asbestos firms: Cape Asbestos Company Limited, Richard Klinger Limited, John Davis Insulating Company Limited.

The Colour Bar Bill. Some of our readers have inquired as to the provisions of the Colour Bar Bill, mentioned in the October issue, as having been withdrawn by the South African Government. This bill most absurdly provided that no new blasting certificates would be issued to natives. It can readily be seen that if such certificates were granted only to white men the cost of mining South African Asbestos would be considerably increased, practically all this work now being done by natives.

The Hull Rubber Company, Limited has been formed with a capital of £2,000 to carry on the business of dealers in asbestos and rubber goods, sports and athletic outfitters, dealers in cycles and accessories, hardware, etc. Directors are J. H. Gowland, R. Thompson and J. W. Walker. The registered office is at 74 Prospect street, Hull, England.

The Asbestos Buildings Company, an affiliation of Asbestos Shingle Slate & Shingle Company of Ambler, Pa., is erecting a warehouse at Ambler, for the purpose of facilitating the assembling and shipping of the portable bungalows, hunting camps, schoolhouses, etc., which it supplies to customers in all parts of the world.

The Western Chemical Company of Paisley, Scotland, have recently issued a booklet on 85% Plastic Magnesia. In this booklet they quote from literature issued by the Magnesite Association of America when that Association actively functioned.

Revised Specifications for Asbestos Packings of various kinds, have been approved and formally adopted by the Federal Specifications Board. Copies of these specifications may be seen at the office or borrowed for reading. The revised specifications went into effect on September 15th.

The Mid-West Asbestos Products Company. It is a pleasure to introduce to our readers the Mid-West Asbestos Products Company, which was organized and incorporated under date of September 25th, for the manufacture of Asbestos Products.

The officers of the new firm are C. J. Haynes, President and General Manager; Charles L. Vodicka, Vice President and Sales Manager, and Henry W. Niebuhr, Secretary and Treasurer.

Mr. Haynes has been in the manufacturing end of the asbestos industry for some time, and will devote his efforts toward the production of asbestos cement in four grades, asbes-

— A S B E S T O S —

tos air cell papers, board and blocks, all kinds of asbestos and wool felt pipe coverings and table mats.

The firm, which is located at 4341 Justine Street, Union Stock Yards, Chicago, Ill., is looking for connections with manufacturers of asbestos paper, millboard, textiles and fibre for the jobbing of those items, or possibly acting as a distributor.

The officers of the company aim to give quality and service which can be sworn by rather than at, and with their latest improved machinery and efficient manufacturing methods, should find it easy to accomplish their purpose.

The Philadelphia Office of Johns-Manville, Inc., will move to its new building at 1317-19 Race street, about the first of the year.

George R. Allen of Tokyo, is at present visiting the United States and Canada. Mr. Allen is Adviser to The Bunka Boeki Sho-Sha of Tokyo, large importers of asbestos fibre.

The Philip Carey Company has recently issued an attractive seventy-six page catalog on Pipe and Boiler Coverings. The catalog is numbered 1362-A. The illustrations in this general catalog are particularly good and it contains quite a bit of technical information.

Application for charter for the "merger company," the Asbestos Corporation Limited, was made on October 24th. The Company is to be capitalized at \$12,000,000 Preferred and \$2,000,000 Non par value shares.

Federal Cement Tile Company. It is reported that the Federal Cement Tile Company of Chicago, is interested in the production of a new roofing material by the name of "Novocrete," to be used in all classes of building work, including roofing. The material is said to be a mixture of sawdust specially treated, and mixed with cement instead of sand and gravel. We are endeavoring to learn something further concerning this material.

National Asbestos Mfg. Company, according to current news reports, will shortly erect a five story addition to their plant at 163 Henderson Street, Jersey City, N. J., the cost to be about \$100,000.

Johns-Manville, Inc., will shortly begin the erection of a new plant at Pittsburg, California, for the manufacture of various Asbestos materials. We hope to have fuller details and a photograph or drawing of the plant for publication in a later issue.

Z. Scheeders-Van Kerchove St. Niklaas-Waas, Belgium, has recently published a private cable code for the particular use of their foreign customers in ordering their products. Asbestos Cement Shingles and Sheets. The code has been carefully worked out and is attractively printed and bound.

An item in the Morristown Jerseyman says: One of the chief minerals mined in Cyprus is asbestos, from which the inhabitants of the island make not only packing and building materials, but oil, water pipes and furniture.

ASBESTOS

PATENTS

Insulating Cement or Mortar. No. 1,556,488. Granted on October 6th, to Lyle Caldwell, Lompoc, Calif., assignor to the Celite Company, Los Angeles, Calif. Filed January 29th, 1923. Serial No. 615,738.

Described as an insulating cement or mortar composition, consisting principally of powdered diatomaceous earth and an organic adhesive, and containing not more than 7% of a salt adapted to act as a distending agent with respect to said organic adhesive.

Process of Moulding Reinforced Packing Rings. No. 1,556,422. Granted on October 6th, to George Christenson, North Plainfield, N. J., assignor to Johns-Manville, Inc. Original application filed April 4, 1922. Serial No. 549,629. Divided and this application filed April 2, 1924. Serial No. 703,607.

Described as the process of making the herein described packing ring which comprises the following steps: first building up a blank of three layers of plastic, homogeneous material with sheets of textile fabric interposed between the layers and one surrounding the three surfaces of the entire mass, two of the adjacent layers being relatively thin and of a width approximately equal to the axial dimension of the proposed packing ring, while the third layer is narrower and much thicker; second, molding the blank under heat and pressure so that the two thinner layers of homogeneous material form an inner upwardly projecting tapering lip and the thicker layer forms an upturned heel, while the inner edges to the interior fabric layers are forced part way around the juncture of said heel and lip.

Asbestos Composition. No. 1,556,973. Granted on October 13th to Nathan Sulzberger, New York City. Filed October 3, 1921. Serial No. 505,097.

Described as a translucent film, made of Asbestos and colloidal aluminum silicate and coated with spar varnish.

Little Clifton, who had been taken into the country for a day's outing, saw a spider spinning a web between two tall weeds.

"Hey, Pop!" he yelled, "come on over here and see this bug putting up a wireless!"

Little Brother—"What's etiquette?"

Next Size Above—It's saying "No thank you", when you want to holler "Gimme!"

The man who wakes up and finds himself famous hasn't been asleep.

ASBESTOS

STATEMENT OF THE OWNERSHIP, MANAGEMENT, CIRCULATION, ETC., REQUIRED BY THE
ACT OF CONGRESS OF AUGUST 24, 1912.

"ASBESTOS" published Monthly
(Insert title of publication.) (State frequency of publication.)
at Philadelphia, Pa. for October 1st 1925
(Name of post office and State where publication is entered.) (State whether for April 1 or October 1.)

STATE OF Pennsylvania
COUNTY OF Philadelphia

I declare me, a Notary Public in and for the State and county aforesaid, personally appeared
A. S. Rössiter who, having been duly sworn according to law, deposes and says that he is
the Editor of the ASBESTOS
(Name of editor, publisher, business manager, or owner.) (Insert title of publication.)
and that the foregoing is, to the best of his knowledge and belief, a true statement of the ownership, management (and if a daily paper, the circulation), etc., of the aforesaid publication for the date shown in the above caption, required by the Act of August 24, 1912, embodied in section 411, Postal Laws and Regulations, printed on the reverse of this form, to wit:

1. That the names and addresses of the publisher, editor, managing editor, and business managers are:

Name of—	Post office address—
Publisher <u>Secretarial Service</u>	<u>246 N. 17th St. Phila.</u>
Editor <u>A. S. Rössiter</u>	<u>Blue Bell, Pa.</u>
Managing Editor <u>A. S. Rössiter</u>	" "
Business Manager <u>A. S. Rössiter</u>	" "

2. That the owner (if owned by a corporation, its name and address must be stated and also immediately thereunder the names and addresses of stockholders owning or holding one per cent or more of total amount of stock. If not owned by a corporation, the names and addresses of the individual owners must be given. If owned by a firm, company, or other unincorporated concern, its name and address, as well as those of each individual member, must be given.)

Secretarial Service composed of
A. S. Rössiter Blue Bell, Pa.
E. E. Cox 1134 S. 52nd St., Phila., Pa.

3. That the known bondholders, mortgagees, and other security holders owning or holding 1 per cent or more of total amount of bonds, mortgages, or other securities are: (If there are none, so state.)

None.

4. That the two paragraphs next above, giving the names of the owners, stockholders, and security holders, if any, contain not only the list of stockholders and security holders as they appear upon the books of the company but also, in cases where the stockholder or security holder appears upon the books of the company as trustee or in any other fiduciary relation, the name of the person or corporation for whom such trustee is acting, is given; also that the said two paragraphs contain statements embracing affiant's full knowledge and belief as to the circumstances and conditions under which stockholders and security holders who do not appear upon the books of the company as trustees, hold stock and securities in a capacity other than that of a bona fide owner; and this affiant has no reason to believe that any other person, association, or corporation has any interest direct or indirect in the said stock, bonds, or other securities than as so stated by him.

5. That the average number of copies of each issue of this publication sold or distributed, through the mails or otherwise, to paid subscribers during the six months preceding the date shown above is—
(This information is required from daily publications only.)

Signed and subscribed before me this 3rd day of October 1925
[Initials] A. S. Rössiter
(Signature of editor, publisher, business manager, or owner.)
Jean Baptiste Dietz
(My commission expires March 1st 1925)

Form 2036—25. 265.

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BUYERS CLASSIFIED INDEX

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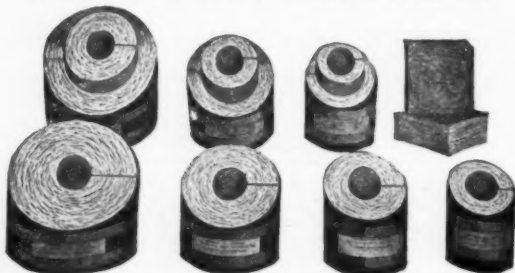
November 1925

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— A S B E S T O S —

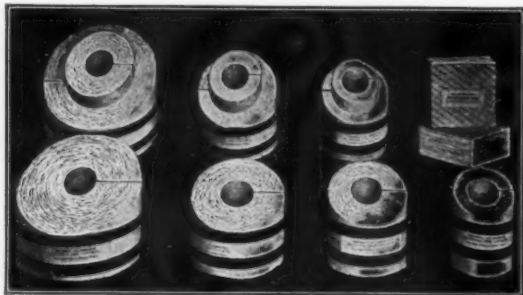
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